

D3631-1

Work Order ID 111546 B 111546

111546

January-15-14 1:17:49 PM

Page 1

Item ID: D3631-1

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Washer

Stop

NS2

Start Date: 1/15/14 Start Qty: 160.00

200
160

Cust Item ID:

Required Date: 1/31/14 Req'd Qty: 160.00

160
160

Customer:

Reference:

Approvals:

Process Plan:

SA / MLO

Date: 1401-16 Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3631	Rev A								

100

100

PURCHASING

Purchasing

Memo

0.00

0.00

Cox 14/01/17 200

Purchasing

Issue P/O: *22152* Purchase Part Number: 95606A170 Supplier: Mc
Master Carr Certificate of conformity is required

110

110

Receive & Inspect for Damage & Mat'l Certs

0.00

Packaging

Memo

0.00

Packaging

Ensure certificate of conformity is attached

Rajpal 200

120

120

QC6- Inspect dimensions to drawing

0.00

QC

Memo

0.00

Quality Control

DAS
27
3-89
M1121

200

DQA:

Date:

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date:

Work Order update only

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS													
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>											
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>											
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>											
			Suspected Unapproved <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>												
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector									
Design																		
Doc/Data																		
Equip/Tooling																		
Handling/Pre																		
Material																		
Operator																		
Offset/Setup																		
Process																		
Supplier																		
Training																		
Transport																		
Unapproved																		
FAULT CATEGORY																		
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function						<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence			<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled		<input type="checkbox"/> Other	

Work Order ID 111546

January-15-14 1:17:49 PM

111546

Page 2

Item ID: D3631-1

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Washer

Stop

NS2

Start Date: 1/15/14

Start Qty: 160.00

160

Cust Item ID:

Required Date: 1/31/14

Req'd Qty: 160.00

160

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

Identify as per dwg & Stock Location

0.00

DAS

130

Packaging

Memo

FP001

0.00

200x

14-1-21

26

9-89

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Quality Control

Memo

0.00

MLJ 14-01-21

MLJ 14-01-21

DQA:

Date:



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date:

Work Order update only

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Engineering Quality <input type="checkbox"/> Other <input type="checkbox"/>
--	--	---

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function				<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence				<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	

Picklist Print

January-15-14 1:17:48 PM

Page 1

Work Order ID: 111546**Parent Item:** D3631-1**Parent Item Name:** Washer**Start Date:** 1/15/14**Required Date:** 1/31/14**Start Qty:** 160.00**Required Qty:** 160.00**Comments:** IPP Rev:A New Issue 07-07-28 JLM Verified By:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
95606A170 Washer		Purchased	No			110	Each	0.0000	1	160			

111546 *1/14/14/21*
300

DQA:

Date:



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date:

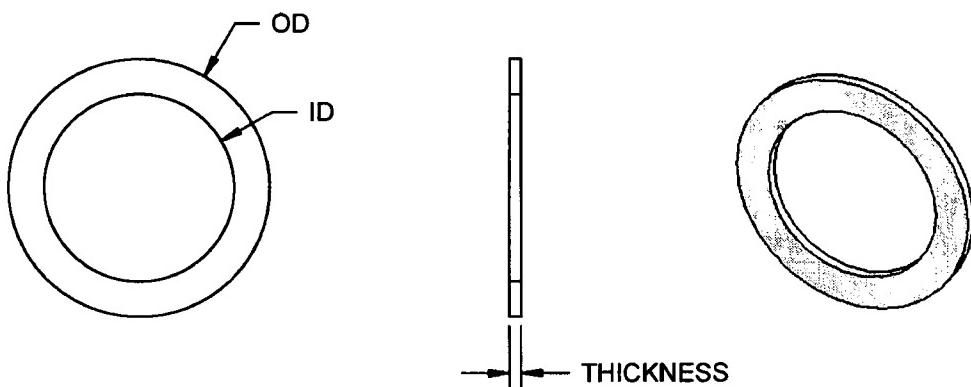
Work Order update only

Work Order: _____		DISPOSITION			AGAINST DEPARTMENT/PROCESS							
Part No. _____		Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>						
NCR No. _____		Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>						
		Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>						
		Suspected Unapproved <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>							
Root Cause	Date	Step	Qty	Description of work order update or non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector	
Design												
Doc/Data												
Equip/Tooling												
Handling/Pre												
Material												
Operator												
Offset/Setup												
Process												
Supplier												
Training												
Transport												
Unapproved												
FAULT CATEGORY												
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General								
				<input type="checkbox"/> Bend	<input type="checkbox"/> Folio/Program	<input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Pressure/Forced
				<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Grain	<input type="checkbox"/> Over/Under tolerance						<input type="checkbox"/> Set-up
				<input type="checkbox"/> Broken/Damage/Defect	<input type="checkbox"/> Hardware	<input type="checkbox"/> Part Incorrect						<input type="checkbox"/> Temperature/Cure
				<input type="checkbox"/> Burrs	<input type="checkbox"/> Inspection Incomplete/Unqualified	<input type="checkbox"/> Part Lost/Missing						<input type="checkbox"/> Weld
				<input type="checkbox"/> Contamination	<input type="checkbox"/> Instructions Incomplete/Unclear	<input type="checkbox"/> Part Moved						<input type="checkbox"/> Wrong Stock Pulled
				<input type="checkbox"/> Countersink	<input type="checkbox"/> Misaligned/off center	<input type="checkbox"/> Positioned Wrong						
				<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Mislabeled	<input type="checkbox"/> Power Loss/Surge						<input type="checkbox"/> Other
				<input type="checkbox"/> Drawing	<input type="checkbox"/> Misread							
				<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Off-set							
				<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Calibration							
				<input type="checkbox"/> Fit/Function	<input type="checkbox"/> Out of Sequence							

DART

DESIGN <i>CB</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED <i>PH</i>	APPROVED <i>#</i>	DRAWING NO. D3631	REV. A	SHEET 1 OF 1
DATE 07.05.16		TITLE WASHER	SCALE NTS	
REV A	DATE 07.05.16	DESCRIPTION NEW ISSUE		

SPECIFICATION CONTROL DRAWING



D3631-X WASHER

111546 *(initials)*
14-05-16

RELEASED
07.08.02 *(initials)*

PART NUMBER	OD	ID	THICKNESS	MATERIAL	SUPPLIER
D3631-1	0.688	0.500	0.031	NYLON	McMASTER-CARR P/N: 95606A170

NOTES:

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO22652**

Purchase Order Date 1/17/2014

PO Print Date 1/17/2014

Page Number 2 of 4

Order From : VU-MCM001
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: FedEx PI collect
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

					Line Total:	
4	95606A170	Washer	1/20/2014 Yes 1/20/2014	200.00 Each	\$0.09	\$17.20
	AS PER DWG D3631 REV. A B111546				Line Total:	\$17.20
5	91525A120	washer	1/20/2014 Yes 1/20/2014	100.00 Each	\$0.27	\$26.64
	AS PER DWG D3456 REV. A B111514				Line Total:	\$26.64
6	71500-35	4073A31 BLADES	1/20/2014 Yes 1/20/2014	3.00 Each	\$13.86	\$41.58
	3 PK OF 5					

Note:

McMASTER-CARR®

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO22652

Page 1 of 2

Order Placed By
Chantal Lavoie

01/17/2014

McMaster-Carr Number
6730369-01

Line	Description	Ordered	Shipped
2	30345T22 Type 304 Stainless Steel Wire Rope Lanyard, Straight, Coated, Loop/Loop with Tab, 3/64" Rope Diameter, 8" L	20 Each	20
	Unit Price: \$2.44 Extended Price: \$48.80		
1	30345T21 Type 304 Stainless Steel Wire Rope Lanyard, Straight, Coated, Loop/Loop with Tab, 3/64" Rope Diameter, 6" L	60 Each	60
	Unit Price: \$2.36 Extended Price: \$141.60		
3	30345T24 Type 304 Stainless Steel Wire Rope Lanyard, Straight, Coated, Loop/Loop with Tab, 3/64" Rope Diameter, 12" L	60 Each	60
	Unit Price: \$2.64 Extended Price: \$158.40		
4	95606A170 Nylon 6/6 General Purpose Flat Washer, Off-White, 7/16" Screw Size, .69" OD, .02"-.04" Thickness, Packs of 100	2 Packs	2 - 623
	Unit Price: \$8.60 Extended Price: \$17.20		

LNS A15

3 - 302 - 02 03 - 67 T22 20 EA 2

3 - 300 - 01 04 - 67 T21 60 EA 1

3 - 300 - 01 04 - 91 T24 60 EA 3

2 - 623 4

Dart Aerospace Ltd

EXP
INV
NAFTA



9 lbs
9 lines

Me

25x12x12

FW1BSP42
01/17/2014
10:48:11.22
706
Cycle 32

1140991343492

